

M 5.5, 21 km ENE of Bacolod, Philippines

Origin Time: 2022-06-02 18:54:31 UTC (Fri 02:54:31 local)
Location: 8.9985° N 126.4768° E Depth: 42.0 km

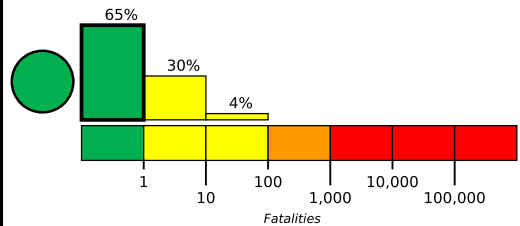
PAGER
Version 7

Created: 1 week, 0 days after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

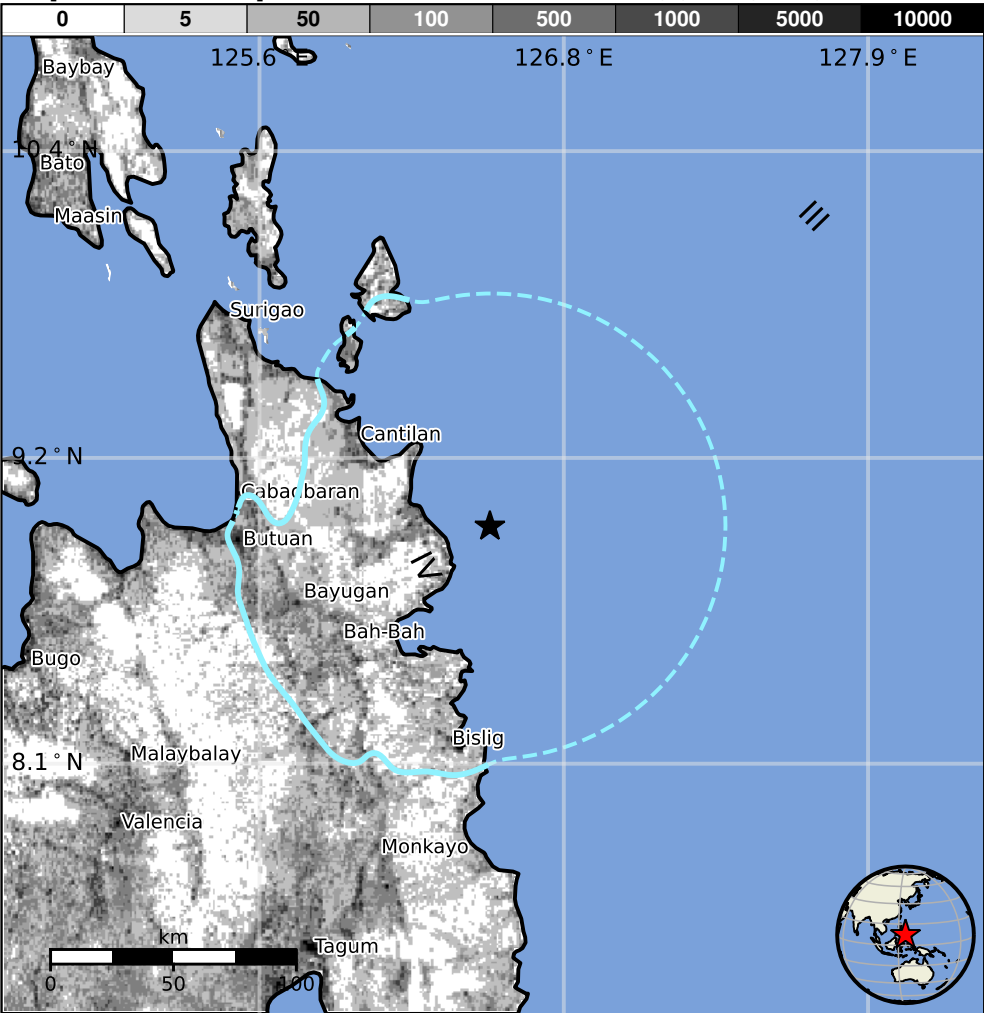


Estimated Population Exposed to Earthquake Shaking

| ESTIMATED POPULATION EXPOSURE (k=x1000) | | —* | 6,638k | 1,937k | 0 | 0 | 0 | 0 | 0 | 0 |
|---|-----------------------|----------|--------|--------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED MODIFIED MERCALLI INTENSITY | | I | II-III | IV | V | VI | VII | VIII | IX | X+ |
| PERCEIVED SHAKING | | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme |
| POTENTIAL DAMAGE | Resistant Structures | None | None | None | V. Light | Light | Moderate | Mod./Heavy | Heavy | V. Heavy |
| | Vulnerable Structures | None | None | None | Light | Moderate | Mod./Heavy | Heavy | V. Heavy | V. Heavy |

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1999-12-15 | 333 | 4.8 | VI(34k) | 1 |
| 1987-05-23 | 154 | 5.7 | VII(70k) | 1 |
| 1989-12-15 | 74 | 7.5 | VIII(1k) | 2 |

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|----------------|-------------|
| IV | Bayabas | <1k |
| IV | Cagwait | <1k |
| IV | La Paz | 2k |
| IV | Tago | 6k |
| IV | Bacolod | 2k |
| IV | Aras-asan | 5k |
| IV | Butuan | 310k |
| IV | Libertad | 250k |
| III | Surigao | 88k |
| III | Magugpo | 233k |
| III | Panabo | 85k |

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
<https://earthquake.usgs.gov/earthquakes/eventpage/us7000hefw#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000hefw